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Product Name :

Lung Demonstration Model

Product Code :

SLE/A/157



Description :

The **Lung Demonstration Model** (Product Code: SLE/A/157) gives students a first-hand view of how the lungs work. Two sacs stand in for the lungs, a rubber membrane acts as the diaphragm and a clear plastic enclosure represents the chest cavity; when the diaphragm is made to relax and contract, the sacs visibly empty and fill with air. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, this simple working model is practical biology lab equipment for respiration lessons in schools across India.

Specifications

Parameter	Detail
Lungs	Two sacs representing the lungs
Diaphragm	Rubber membrane
Chestcavity	Clear plastic enclosure
Size	Height 30 cm x Width 14.5 cm
Operation	Diaphragm is made to relax and contract so the lungs empty and fill with air

Typical Use

When the rubber diaphragm is drawn away from the enclosure, the space around the sacs increases, the pressure inside falls and air flows into the “lungs”, just as it does when the real diaphragm contracts and flattens. Letting the membrane return reverses the change and the sacs deflate. The demonstration links the mechanism of inhalation and exhalation to the pressure–volume relationship taught in physics, so it suits integrated science lessons as well as biology.

Before the lesson, check that the membrane sits evenly and that the sacs inflate freely, then move the diaphragm slowly so the class can match each movement to the change in the sacs. Students can finish by placing a hand on their own abdomen while breathing deeply to feel the same action. Its compact size makes it a sensible early purchase for any biology lab setup in a school.

Manufacturer

The Lung Demonstration Model is made by Jain Scientific Equipments Private Limited, which operates under the ScienceLab name from Ambala, Haryana, and produces teaching equipment for biology, physics and chemistry laboratories. Tender and institutional buyers who need vendor registration details can use GSTIN 06AAECJ8618A1ZT and LEI 3358004HRD1JIVXKYX49. Visit the company profile for more about the company.

Related Laboratory Equipment

Equipment that extends a breathing lesson from mechanism to measurement and anatomy: